

Project Title	Funding	Strategic Plan Objective	Institution
Dysregulation of mTOR signaling in fragile X syndrome (supplement)	\$72,034	Q2.S.D	Albert Einstein College of Medicine of Yeshiva University
Genetic rescue of fragile X syndrome in mice by targeted deletion of PIKE	\$0	Q2.S.D	Albert Einstein College of Medicine of Yeshiva University
Dysregulation of mTOR signaling in fragile X syndrome	\$415,000	Q2.S.D	Albert Einstein College of Medicine of Yeshiva University
The role of mTOR inhibitors in the treatment of autistic symptoms in symptomatic infantile spasms	\$0	Q2.S.E	Albert Einstein College of Medicine of Yeshiva University
Sensory processing and integration in autism	\$548,158	Q2.Other	Albert Einstein College of Medicine of Yeshiva University
Modeling 5-HT-absorbing neurons in neuropathology of autism	\$250,500	Q2.Other	Albert Einstein College of Medicine of Yeshiva University
Novel regulatory network involving non-coding role of an ASD candidate gene PTEN	\$208,750	Q2.Other	Albert Einstein College of Medicine of Yeshiva University
Redox abnormalities as a vulnerability phenotype for autism and related alterations in CNS development	\$0	Q2.S.A	Arkansas Children's Hospital Research Institute
Building awareness of the value of brain tissue donation for autism research	\$90,120	Q2.S.C	Autism Science Foundation
Upper motor neuron plasticity in the MeCP2-duplication syndrome of autism	\$62,500	Q2.S.D	Baylor College of Medicine
Investigating the homeostatic role of MeCP2 in mature brain	\$35,832	Q2.S.D	Baylor College of Medicine
Pathophysiology of MECP2 spectrum disorders (Career Development Award Proposal)	\$179,981	Q2.S.D	Baylor College of Medicine
TMLHE deficiency and a carnitine hypothesis for autism	\$60,000	Q2.S.D	Baylor College of Medicine
In-vivo imaging of neuronal structure and function in a reversible mouse model for autism.	\$0	Q2.S.D	Baylor College of Medicine
Simons Variation in Individuals Project (VIP) Site	\$466,763	Q2.S.G	Baylor College of Medicine
High throughput sequencing of autism spectrum disorder (ASD) endophenotypes	\$39,432	Q2.S.G	Baylor College of Medicine
Multisensory processing in autism	\$60,000	Q2.Other	Baylor College of Medicine
The role of the new mTOR complex, mTORC2, in autism spectrum disorders	\$625,998	Q2.Other	Baylor College of Medicine
Neurobiological mechanism of 15q11-13 duplication autism spectrum disorder	\$380,625	Q2.S.D	Beth Israel Deaconess Medical Center
The effects of disturbed sleep on sleep-dependent memory consolidation and daily function in individuals with ASD	\$90,480	Q2.S.E	Beth Israel Deaconess Medical Center
Role of microglia and complement at developing synapses in ASD	\$60,001	Q2.S.A	Boston Children's Hospital
A cerebellar mutant for investigating mechanisms of autism in Tuberous Sclerosis	\$149,958	Q2.S.D	Boston Children's Hospital
Probing synaptic receptor composition in mouse models of autism	\$124,998	Q2.S.D	Boston Children's Hospital
Simons Variation in Individuals Project (VIP) Site	\$768,296	Q2.S.G	Boston Children's Hospital

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Simons Variation in Individual Project (Simons VIP) Core Leader Gift	\$0	Q2.S.G	Boston Children's Hospital
Characterization of infants and toddlers with the 16p copy-number variation	\$190,766	Q2.S.G	Boston Children's Hospital
Understanding the etiological significance of attentional disengagement in infants at-risk for ASD	\$46,000	Q2.L.A	Boston Children's Hospital
Corticothalamic circuit interactions in autism	\$250,000	Q2.Other	Boston Children's Hospital
Neuropeptide regulation of juvenile social behaviors	\$29,550	Q2.Other	Boston College
ACE Center: Auditory perception and perceptual organization in minimally verbal children with ASD	\$288,440	Q2.L.B	Boston University
The effects of autism on the sign language development of deaf children (supplement)	\$1,188	Q2.Other	Boston University
The effects of autism on the sign language development of deaf children	\$59,419	Q2.Other	Boston University
Elucidating the function of class 4 semaphorins in GABAergic synapse formation	\$336,922	Q2.Other	Brandeis University
Elucidating the function of class 4 semaphorins in GABAergic synapse formation (supplement)	\$23,015	Q2.Other	Brandeis University
Semaphorin4D and PlexinB1 mediate GABAergic synapse development in mammalian CNS	\$27,814	Q2.Other	Brandeis University
Endosomal NHE6 in long-range connectivity and autism	\$62,500	Q2.Other	Brown University
A non-human primate autism model based on maternal infection	\$0	Q2.S.A	California Institute of Technology
The mechanism of the maternal infection risk factor for autism	\$150,000	Q2.S.A	California Institute of Technology
Single-unit recordings from the amygdala in people with autism	\$0	Q2.S.E	California Institute of Technology
Direct recording from autism brains	\$60,074	Q2.S.E	California Institute of Technology
Single-unit recordings in neurosurgical patients with autism	\$55,200	Q2.S.E	California Institute of Technology
CAREER: Dissecting the neural mechanisms for face detection	\$0	Q2.Other	California Institute of Technology
Towards an endophenotype for amygdala dysfunction	\$380,304	Q2.Other	California Institute of Technology
Autism and the insula: Genomic and neural circuits	\$254,696	Q2.Other	California Institute of Technology
Investigating brain organization and activation in autism at the whole-brain level	\$0	Q2.Other	California Institute of Technology
Functional role of IL-6 in fetal brain development and abnormal behavior	\$42,232	Q2.Other	California Institute of Technology
The computational basis of theory of mind in the human brain	\$103,965	Q2.Other	California Institute of Technology

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Investigating brain connectivity in autism at the whole-brain level	\$88,508	Q2.Other	California Institute of Technology
Exploring the uncanny valley	\$0	Q2.Other	Carnegie Mellon University
Collaborative research: Learning complex auditory categories	\$0	Q2.Other	Carnegie Mellon University
CDI-TYPE II: From language to neural representations of meaning	\$0	Q2.Other	Carnegie Mellon University
Using high definition fiber tracking to define developmental neurobiologic mechanisms & a neural basis for behavioral heterogeneity	\$25,000	Q2.Other	Carnegie Mellon University
Linguistic perspective-taking in adults with high-functioning autism: Investigation of the mirror neuron system	\$0	Q2.Other	Carnegie Mellon University
Eye movement dynamics in autism spectrum disorders	\$0	Q2.Other	Carnegie Mellon University
TrkB agonist therapy for sensorimotor dysfunction in Rett syndrome	\$147,806	Q2.S.D	Case Western Reserve University
ERK signaling in autism associated with copy number variation of 16p11.2	\$51,290	Q2.Other	Case Western Reserve University
Functional neuroimaging of attention in autism	\$192,365	Q2.S.E	Children's Hospital of Philadelphia
Functional imaging of flexibility in autism: Informed by SLC6A4	\$132,748	Q2.S.G	Children's Hospital of Philadelphia
Testing the hyperspecificity hypothesis: A neural theory of autism	\$247,018	Q2.Other	Children's Hospital of Philadelphia
Structural and functional neuroimaging of the auditory system in autism	\$157,905	Q2.Other	Children's Hospital of Philadelphia
The functional link between DISC1 and neuroligins: Two genetic factors in the etiology of autism	\$0	Q2.S.D	Children's Memorial Hospital, Chicago
Selective disruption of hippocampal dentate granule cells in autism: Impact of PT (supplement)	\$14,596	Q2.S.E	Cincinnati Children's Hospital Medical Center
Selective disruption of hippocampal dentate granule cells in autism: Impact of PT	\$411,292	Q2.S.E	Cincinnati Children's Hospital Medical Center
The neural bases of top-down attentional control in autism spectrum disorders	\$27,578	Q2.Other	City College of New York
Pragmatics and semantics in autism spectrum disorder	\$29,155	Q2.Other	City University of New York Graduate School and University Center
Behavioral and cognitive characteristics of females and males with autism	\$60,000	Q2.S.B	Cleveland Clinic Foundation
High-throughput DNA sequencing method for probing the connectivity of neural circuits at single-neuron resolution	\$464,475	Q2.Other	Cold Spring Harbor Laboratory
Investigation of social brain circuits in mouse models of the 16p11.2 locus	\$175,000	Q2.Other	Cold Spring Harbor Laboratory

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Investigation of social brain circuits and fever-evoked response in 16p11.2 mice	\$60,000	Q2.Other	Cold Spring Harbor Laboratory
Cell adhesion molecules in autism: A whole-brain study of genetic mouse models	\$485,438	Q2.Other	Cold Spring Harbor Laboratory
Alterations in brain-wide neuroanatomy in autism mouse models	\$300,000	Q2.Other	Cold Spring Harbor Laboratory
Collaborative research: RUI: Perceptual pick-up processes in interpersonal coordination	\$0	Q2.Other	College of the Holy Cross
Aberrant synaptic form and function due to TSC-mTOR-related mutation in autism spectrum disorders	\$300,000	Q2.S.D	Columbia University
Simons Variation in Individuals Project (Simons VIP) Principal Investigator Gift	\$73,534	Q2.S.G	Columbia University
Simons Variation in Individuals Project (VIP) Principal Investigator	\$126,453	Q2.S.G	Columbia University
Simons Variation in Individuals Project (VIP) Statistical Core Site	\$136,125	Q2.S.G	Columbia University
Neuroprotective effects of oxytocin receptor signaling in the enteric nervous system	\$25,000	Q2.Other	Columbia University
Neurexin-neuroligin trans-synaptic interaction in learning and memory	\$200,000	Q2.Other	Columbia University
Role of neurexin in the amygdala and associated fear memory	\$175,000	Q2.Other	Columbia University
Investigation of a possible role of the protocadherin gene cluster in autism	\$150,000	Q2.Other	Columbia University
CAREER: Integrative behavioural and neurophysiological studies of normal and autistic cognition using video game environments	\$0	Q2.Other	Cornell University
Preference acquisition in children and adolescents with and without autism spectrum disorder	\$0	Q2.Other	Dalhousie University
New approaches to local translation: SpaceSTAMP of proteins synthesized in axons	\$419,095	Q2.S.D	Dana-Farber Cancer Institute
The impact of Pten signaling on neuronal form and function	\$346,014	Q2.Other	Dartmouth College
Neural underpinning of emotion perception and its disorders	\$30,000	Q2.Other	Dartmouth College
Animal model of genetics and social behavior in autism spectrum disorders	\$791,070	Q2.S.G	Duke University
Imaging signal transduction in single dendritic spines	\$382,200	Q2.Other	Duke University
Analysis of Shank3 complete and temporal and spatial specific knockout mice	\$481,448	Q2.Other	Duke University
Neuronal basis of vicarious reinforcement dysfunction in autism spectrum disorder	\$310,081	Q2.Other	Duke University

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Neural basis of empathy and its dysfunction in autism spectrum disorders (ASD)	\$0	Q2.Other	Duke University
The striatal circuitry underlying autistic-like behaviors	\$31,975	Q2.Other	Duke University
White matter glial pathology in autism	\$0	Q2.Other	East Tennessee State University
Quantitative proteomic approach towards understanding and treating autism	\$75,000	Q2.S.D	Emory University
Identifying the gene in 17q12 responsible for neuropsychiatric phenotypes	\$180,140	Q2.S.G	Emory University
Simons Variation in Individuals Project (Simons VIP)	\$706,044	Q2.S.G	Emory University
Language processing in children with 22q11 deletion syndrome and autism	\$0	Q2.S.G	Emory University
ACE Center: Predicting risk and resilience in ASD through social visual engagement	\$329,264	Q2.L.B	Emory University
Young development of a novel PET ligand for detecting oxytocin receptors in brain (supplement)	\$176,000	Q2.Other	Emory University
Young development of a novel PET ligand for detecting oxytocin receptors in brain	\$261,360	Q2.Other	Emory University
Identification and analysis of ASD patients with PI3K/mTOR signalopathies	\$66,500	Q2.Other	Emory University
Behavioral and neural processing of faces and expressions in nonhuman primates	\$435,600	Q2.Other	Emory University
ACE Center: Ontogeny and neural basis of social visual engagement in monkeys	\$314,068	Q2.Other	Emory University
Modulation of RhoA signaling by the mRNA binding protein hnRNPQ1	\$30,912	Q2.Other	Emory University
PI3K/mTOR signaling as a novel biomarker and therapeutic target in autism	\$0	Q2.Other	Emory University
Monolingual and bilingual infants' sensitivity to agreement morphology in Spanish	\$144,100	Q2.Other	Florida International University
Neuroimaging of top-down control and bottom-up processes in childhood ASD (supplement)	\$111,600	Q2.Other	Georgetown University
Neuroimaging of top-down control and bottom-up processes in childhood ASD	\$387,066	Q2.Other	Georgetown University
Exploring metabolic dysfunction in the brains of people with autism	\$0	Q2.S.A	George Washington University
Elucidation and rescue of amygdala abnormalities in the Fmr1 mutant mouse model of fragile X syndrome	\$150,000	Q2.S.D	George Washington University
Regulation of 22q11 genes in embryonic and adult forebrain (supplement)	\$24,262	Q2.S.D	George Washington University
Regulation of 22q11 genes in embryonic and adult forebrain	\$308,631	Q2.S.D	George Washington University

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Mechanisms of mitochondrial dysfunction in autism	\$0	Q2.S.A	Georgia State University
Vasopressin receptor polymorphism and social cognition	\$395,156	Q2.Other	Georgia State University
RI: Small: Addressing visual analogy problems on the raven's intelligence test	\$284,454	Q2.Other	Georgia Tech Research Corporation
Role of microglial activation in the serotonergic and neuroimmune disturbances underlying autism	\$50,000	Q2.S.A	Hamamatsu University School of Medicine
The social brain in schizophrenia and autism spectrum disorders	\$594,733	Q2.Other	Hartford Hospital
To study the relationship between low GAD2 levels and anti-GAD antibodies in autistic children	\$7,260	Q2.S.A	Hartwick College
Urokinase-type plasminogen activator plasma concentration and its relationship to hepatocyte growth factor (HGF) and GABA levels in autistic children	\$8,505	Q2.Other	Hartwick College
Underlying mechanisms in a cerebellum-dependent model of autism	\$60,000	Q2.S.D	Harvard Medical School
Activity-dependent phosphorylation of MeCP2	\$177,055	Q2.S.D	Harvard Medical School
The role of UBE3A in autism	\$312,501	Q2.S.D	Harvard Medical School
Characterizing the genetic systems of autism through multi-disease analysis (supplement)	\$120,328	Q2.S.G	Harvard Medical School
Characterizing the genetic systems of autism through multi-disease analysis	\$524,280	Q2.S.G	Harvard Medical School
Proteome and interaction networks in autism	\$156,250	Q2.Other	Harvard Medical School
Simons Variation in Individuals Project (VIP) Imaging Analysis Site	\$137,106	Q2.S.G	Harvard University
The Brain Genomics Superstruct Project	\$150,000	Q2.L.B	Harvard University
Dimensions of mind perception	\$0	Q2.Other	Harvard University
Molecular controls over callosal projection neuron subtype specification and diversity	\$42,232	Q2.Other	Harvard University
Behavioral and neural responses to emotional faces in individuals with ASD	\$14,935	Q2.Other	Harvard University
Neurobiological signatures of audiovisual speech perception in children in ASD	\$217,886	Q2.Other	Haskins Laboratories, Inc.
Brain-behavior interactions and visuospatial expertise in autism: a window into the neural basis of autistic cognition	\$0	Q2.Other	Hospital Riviere-des-Praires, University of Montreal, Canada
Bayesian variable selection in generalized linear models with missing variables	\$95,377	Q2.Other	Hunter College (City University of New York)
Multigenic basis for autism linked to 22q13 chromosomal region	\$125,000	Q2.S.D	Hunter College of the City University of New York (CUNY) jointly with Research Foundation of CUNY
Investigating brain connectivity in autism at the whole-brain level	\$249,001	Q2.Other	Indiana University

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In vivo targeted gene silencing, a novel method	\$192,500	Q2.Other	Indiana University-Purdue University Indianapolis
Why are autistic females rare and severe? An approach to autism gene identification.	\$28,600	Q2.S.B	Johns Hopkins University
Olfactory abnormalities in the modeling of Rett syndrome	\$351,575	Q2.S.D	Johns Hopkins University
Dynamic regulation of Shank3 and ASD	\$646,316	Q2.Other	Johns Hopkins University
The role of the GRIP protein complex in AMPA receptor trafficking and autism spectrum disorders	\$0	Q2.Other	Johns Hopkins University
GABAergic dysfunction in autism	\$48,000	Q2.Other	Johns Hopkins University
High throughput screen for small molecule probes for neural network development	\$405,000	Q2.Other	Johns Hopkins University
The role of CNTNAP2 in embryonic neural stem cell regulation	\$0	Q2.Other	Johns Hopkins University School of Medicine
Motor skill learning in autism	\$395,908	Q2.Other	Kennedy Krieger Institute
Understanding the brain basis of impaired imitation learning in autism	\$55,200	Q2.Other	Kennedy Krieger Institute
A preliminary investigation of the neurobehavioral basis of sensory behavior in autism	\$10,000	Q2.Other	Kennedy Krieger Institute
EEG-based assessment of functional connectivity in autism	\$175,042	Q2.Other	Kennedy Krieger Institute
Autism phenotypes in Tuberous Sclerosis: Risk factors, features & architecture	\$149,881	Q2.S.D	King's College London
Roles of miRNAs in regulation of Foxp2 and in autism	\$45,000	Q2.Other	Louisiana State University
MicroRNAs in synaptic plasticity and behaviors relevant to autism	\$131,220	Q2.S.D	Massachusetts General Hospital
Identification of targets for the neuronal E3 ubiquitin ligase PAM	\$0	Q2.S.D	Massachusetts General Hospital
Neural correlates of restricted, repetitive behaviors in autism spectrum disorders	\$0	Q2.S.G	Massachusetts General Hospital
Neural correlates of restricted, repetitive behaviors in autism spectrum disorders	\$0	Q2.S.G	Massachusetts General Hospital
Local functional connectivity in ASD	\$50,811	Q2.L.B	Massachusetts General Hospital
Retrograde synaptic signaling by Neurexin and Neuroligin in C. elegans	\$250,000	Q2.Other	Massachusetts General Hospital
Multimodal studies of executive function deficits in autism spectrum disorders	\$54,570	Q2.Other	Massachusetts General Hospital
Molecular signatures of autism genes and the 16p11.2 deletion	\$62,500	Q2.Other	Massachusetts General Hospital
3 Tesla 31Phosphorus magnetic resonance spectroscopy in disorder with abnormal bioenergetics	\$3,250	Q2.Other	Massachusetts General Hospital
Probing the neural basis of social behavior in mice	\$62,500	Q2.S.D	Massachusetts Institute of Technology

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CAREER: Typical and atypical development of brain regions for theory of mind	\$86,848	Q2.Other	Massachusetts Institute of Technology
Impairments of theory of mind disrupt patterns of brain activity	\$321,000	Q2.Other	Massachusetts Institute of Technology
Regulation of synaptogenesis by cyclin-dependent kinase 5	\$0	Q2.Other	Massachusetts Institute of Technology
Behavioral, fMRI, and anatomical MRI investigations of attention in autism	\$47,114	Q2.Other	Massachusetts Institute of Technology
Shank3 in synaptic function and autism	\$401,250	Q2.Other	Massachusetts Institute of Technology
Brain bases of language deficits in SLI and ASD	\$614,180	Q2.Other	Massachusetts Institute of Technology
Controlling interareal gamma coherence by optogenetics, pharmacology and behavior	\$84,775	Q2.Other	Massachusetts Institute of Technology
Functional analysis of patient mutations in EPHB2, an ASD candidate gene- Core	\$62,475	Q2.Other	McLean Hospital
Making the connection between autism, serotonin and hedgehog signaling	\$125,635	Q2.S.D	Medical Research Council-National Institute for Medical Research
CAREER: The role of prosody in word segmentation and lexical access	\$0	Q2.Other	Michigan State University
Enhancing neurobehavioural and clinical definitions in autism spectrum disorders	\$28,000	Q2.Other	Monash University
Hyperthermia and the amelioration of autism symptoms	\$66,153	Q2.S.A	Montefiore Medical Center
Role of Sema7A in functional organization of neocortex	\$423,750	Q2.S.D	Mount Sinai School of Medicine
Neural basis of behavioral flexibility	\$360,214	Q2.Other	Mount Sinai School of Medicine
Dysregulation of protein synthesis in fragile X syndrome	\$1,117,731	Q2.S.D	National Institutes of Health
Treatment of medical conditions among individuals with autism spectrum disorders	\$339,591	Q2.S.E	National Institutes of Health
Neuroendocrine regulation of metabolism and neurocognition	\$402,805	Q2.S.E	National Institutes of Health
Neuroimmunologic investigations of autism spectrum disorders (ASD)	\$101,877	Q2.S.F	National Institutes of Health
Pediatric brain imaging	\$2,419,583	Q2.L.A	National Institutes of Health
Functional anatomy of face processing in the primate brain	\$1,660,304	Q2.Other	National Institutes of Health
The cognitive neuroscience of autism spectrum disorders	\$1,074,095	Q2.Other	National Institutes of Health
Learning and plasticity in the human brain	\$351,533	Q2.Other	National Institutes of Health
A collaborative translational autism research program for the military.	\$903,888	Q2.S.G	Nationwide Children's Hospital
Early expression of autism spectrum disorder in experimental animals	\$0	Q2.Other	Neurochlore

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Development of brain connectivity in autism	\$0	Q2.Other	New York School of Medicine
Brain mitochondrial abnormalities in autism	\$20,000	Q2.S.A	New York State Institute for Basic Research in Developmental Disabilities
Canonical neural computation in autism spectrum disorders	\$365,741	Q2.Other	New York University
Spatial attention in autism spectrum disorders	\$28,600	Q2.Other	New York University
Excessive cap-dependent translation as a molecular mechanism underlying ASD	\$0	Q2.Other	New York University
Cortical dynamics in autism	\$52,190	Q2.Other	New York University
Molecular components of A-type K+ channels	\$363,366	Q2.S.E	New York University School of Medicine
Regulation of cortical critical periods in a mouse model of autism	\$60,000	Q2.S.D	Northwestern University
A family-genetic study of autism and fragile X syndrome	\$751,420	Q2.S.D	Northwestern University
A family-genetic study of language in autism	\$391,295	Q2.S.G	Northwestern University
Understanding the role of Epac2 in cognitive function	\$47,232	Q2.Other	Northwestern University
Neurexins, oxidative stress and autism	\$150,000	Q2.Other	Oklahoma Medical Research Foundation
Computational characterization of language use in autism spectrum disorder	\$738,723	Q2.Other	Oregon Health & Science University
Characterizing mechanistic heterogeneity across ADHD and autism	\$611,788	Q2.Other	Oregon Health & Science University
Head-fixed recording of sensory learning in mouse autism models	\$0	Q2.Other	Princeton University
MTHFR functional polymorphism C677T and genomic instability in the etiology of idiopathic autism in simplex families	\$0	Q2.Other	Queen's University
Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	\$0	Q2.Other	Research Foundation for Mental Hygiene, Inc.
Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	\$0	Q2.Other	Research Foundation for Mental Hygiene, Inc.
Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	\$0	Q2.Other	Research Foundation for Mental Hygiene, Inc.
Autism spectrum disorders and the visual analysis of human motion	\$0	Q2.Other	Rutgers, The State University of New Jersey
Multiple systems in theory of mind development	\$0	Q2.Other	Rutgers, The State University of New Jersey - New Brunswick
Social and affective components of communication	\$317,715	Q2.Other	Salk Institute For Biological Studies
Examining connectivity patterns of brain networks participating in social cognition in ASD	\$40,000	Q2.Other	San Diego State University
Multimodal imaging of social brain networks in ASD	\$150,036	Q2.Other	San Diego State University

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Linking local activity and functional connectivity in autism (supplement)	\$92,508	Q2.Other	San Diego State University
Linking local activity and functional connectivity in autism	\$370,304	Q2.Other	San Diego State University
Thalamocortical connectivity in children and adolescents with ASD-A combined fMRI and DTI approach	\$28,600	Q2.Other	San Diego State University
The genetic basis of mid-hindbrain malformations	\$798,866	Q2.S.G	Seattle Children's Hospital
Genetic dissection of restricted repetitive behavior (RRB)	\$177,736	Q2.S.G	Seattle Children's Hospital
Physiology of attention and regulation in children with ASD and LD	\$341,013	Q2.Other	Seattle Children's Hospital
Perturbed cortical patterning in autism	\$60,000	Q2.Other	Seattle Children's Hospital
Engrailed genes and cerebellum morphology, spatial gene expression and circuitry	\$470,003	Q2.Other	Sloan-Kettering Institute for Cancer Research
GABRB3 and placental vulnerability in ASD	\$642,258	Q2.S.A	Stanford University
GABA(A) and prenatal immune events leading to autism	\$125,000	Q2.S.A	Stanford University
Neurobiology of RAI1, the causal gene for Smith-Magenis syndrome	\$155,380	Q2.S.D	Stanford University
Mesocorticolimbic dopamine circuitry in mouse models of autism	\$436,362	Q2.S.D	Stanford University
Modulation of fxr1 splicing as a treatment strategy for autism in fragile X syndrome	\$0	Q2.S.D	Stanford University
Revealing protein synthesis defects in fragile X syndrome with new chemical tools	\$340,520	Q2.S.D	Stanford University
L-type calcium channel regulation of neuronal differentiation	\$33,002	Q2.S.D	Stanford University
Probing a monogenic form of autism from molecules to behavior	\$0	Q2.S.D	Stanford University
Longitudinal MRI study of brain development in fragile X	\$901,844	Q2.S.D	Stanford University
Characterizing sleep disorders in autism spectrum disorder	\$225,081	Q2.S.E	Stanford University
A neuroimaging study of twin pairs with autism	\$625,557	Q2.S.G	Stanford University
Genomic and epigenomic effects of large CNV in neurons from iPSC	\$2,355,000	Q2.S.G	Stanford University
Structural and functional connectivity of large-scale brain networks in autism	\$168,978	Q2.Other	Stanford University
Function and dysfunction of neuroligins in synaptic circuits	\$750,000	Q2.Other	Stanford University
Function of neuroligins	\$473,710	Q2.Other	Stanford University
Role of CNTNAP2 in neuronal structural development and synaptic transmission	\$53,500	Q2.Other	Stanford University

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CLARITY: circuit-dynamics and connectivity of autism-related behavior	\$124,320	Q2.Other	Stanford University
Face perception: Mapping psychological spaces to neural responses	\$0	Q2.Other	Stanford University
Decoding 'what' and 'who' in the auditory system of children with autism spectrum disorders	\$197,500	Q2.Other	Stanford University
Mathematical cognition in autism: A cognitive and systems neuroscience approach	\$652,461	Q2.Other	Stanford University
Redox abnormalities as a vulnerability phenotype for autism and related alterations in CNS development	\$0	Q2.S.A	State University of New York at Potsdam
Social cognition in 22q11.2 deletion syndrom (DS) adolescents with ASD vs. without ASD: Imaging and genetic correlates	\$0	Q2.S.G	State University of New York Upstate Medical Center
Social behavior deficits in autism: Role of amygdala	\$0	Q2.Other	State University of New York Upstate Medical Center
The Study of Toddlers with Autism and Regression (STAR) Protocol – Screening for treatable disorders and biomarkers of inflammation and immune activation in the plasma and CNS	\$0	Q2.S.A	Surrey Place Centre, Toronto
Simons Variation in Individuals Project (VIP) Functional Imaging Site	\$736,449	Q2.S.G	The Children's Hospital of Philadelphia
Simons Variation in Individuals Project (VIP) Structural Imaging and Phenotyping Site - SCAP-local	\$217,322	Q2.S.G	The Children's Hospital of Philadelphia
Neurobiological correlates of language dysfunction in autism spectrum disorders	\$535,052	Q2.Other	The Mind Research Network
Fragile X syndrome target analysis and its contribution to autism	\$134,477	Q2.S.D	The Rockefeller University
Glial control of neuronal receptive ending morphology	\$418,275	Q2.Other	The Rockefeller University
RNA dysregulation in autism	\$125,000	Q2.Other	The Rockefeller University
Defining cells and circuits affected in autism spectrum disorders	\$336,872	Q2.Other	The Rockefeller University
A stem cell based platform for identification of common defects in autism spectrum disorders	\$0	Q2.S.D	The Scripps Research Institute - California
Cell adhesion molecules in CNS development	\$534,562	Q2.Other	The Scripps Research Institute - California
Impact of SynGAP1 mutations on synapse maturation and cognitive development	\$789,981	Q2.Other	The Scripps Research Institute - Florida
Understanding the basic neurobiology of Pitt-Hopkins syndrome	\$60,000	Q2.S.D	The University of Alabama at Birmingham
Metacognition in comparative perspective	\$210,561	Q2.Other	University at Buffalo, The State University of New York
MeCP2 modulation of BDNF signaling: Shared mechanisms of Rett and autism	\$314,059	Q2.S.D	University of Alabama at Birmingham
Collaborative research: Learning complex auditory categories	\$0	Q2.Other	University of Arizona

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Met signaling in neural development and circuitry formation	\$249,000	Q2.Other	University of Arizona
Inhibitory mechanisms for sensory map plasticity in cerebral cortex	\$328,644	Q2.Other	University of California, Berkeley
Neural mechanisms of tactile sensation in rodent somatosensory cortex	\$255,940	Q2.Other	University of California, Berkeley
Presynaptic regulation of quantal size by the cation/H ⁺ exchangers NHE6 & NHE9	\$33,932	Q2.Other	University of California, Berkeley
Project 2: Immunological susceptibility of autism (supplement)	\$30,784	Q2.S.A	University of California, Davis
Convergence of immune and genetic signaling pathways in autism and schizophrenia	\$0	Q2.S.A	University of California, Davis
IL-1beta and IL1RAPL1: Gene-environment interactions regulating synapse density and function in ASD	\$28,600	Q2.S.A	University of California, Davis
Mechanism of UBE3A imprint in neurodevelopment	\$34,439	Q2.S.D	University of California, Davis
Language development in fragile X syndrome	\$584,381	Q2.S.D	University of California, Davis
Genotype-phenotype relationships in fragile X families	\$612,413	Q2.S.D	University of California, Davis
The role of MeCP2 in Rett syndrome	\$382,858	Q2.S.D	University of California, Davis
Self-regulation and sleep in children at risk for autism spectrum disorders	\$87,899	Q2.S.E	University of California, Davis
Amygdala connectivity in autism spectrum disorder	\$49,934	Q2.L.A	University of California, Davis
Synchronous activity in networks of electrically coupled cortical interneurons	\$0	Q2.Other	University of California, Davis
Learning in autism spectrum disorders	\$28,902	Q2.Other	University of California, Davis
The neural substrates of higher-level learning in autism	\$192,500	Q2.Other	University of California, Davis
Typical and pathological cellular development of the human amygdala	\$385,000	Q2.Other	University of California, Davis
Infants' developing representation of object function	\$0	Q2.Other	University of California, Davis
Experience and cognitive development in infancy	\$102,038	Q2.Other	University of California, Davis
Cellular density and morphology in the autistic temporal human cerebral cortex	\$363,672	Q2.Other	University of California, Davis
Multisensory integration in children with ASD	\$192,136	Q2.Other	University of California, Davis
Cortactin and spine dysfunction in fragile X	\$32,875	Q2.S.D	University of California, Irvine
BDNF and the restoration of synaptic plasticity in fragile X and autism	\$470,063	Q2.S.D	University of California, Irvine
Dual modulators of GABA-A and Alpha7 nicotinic receptors for treating autism	\$615,849	Q2.Other	University of California, Irvine
Integrative functions of the planum temporale (supplement)	\$34,768	Q2.Other	University of California, Irvine

Project Title	Funding	Strategic Plan Objective	Institution
Integrative functions of the planum temporale	\$440,810	Q2.Other	University of California, Irvine
Investigation of sex differences associated with autism candidate gene, Cyfip1	\$32,413	Q2.S.B	University of California, Los Angeles
Abnormal network dynamics and "learning" in neural circuits from Fmr1-/- mice	\$192,500	Q2.S.D	University of California, Los Angeles
ACE Center: Neuroimaging signatures of autism: Linking brain function to genes and behavior	\$191,823	Q2.S.G	University of California, Los Angeles
ACE Center: Genetic and genomic analyses to connect genes to brain to cognition in ASD	\$252,243	Q2.S.G	University of California, Los Angeles
Electrophysiologic biomarkers of language function in autism spectrum disorders	\$28,600	Q2.L.B	University of California, Los Angeles
Elucidation of the developmental role of Jakmip1, and autism-susceptibility gene	\$31,474	Q2.Other	University of California, Los Angeles
Imaging PTEN-induced changes in adult cortical structure and function in vivo	\$300,156	Q2.Other	University of California, Los Angeles
Role of autism-susceptibility gene, CNTNAP2, in neural circuitry for vocal communication	\$0	Q2.Other	University of California, Los Angeles
The role of neurexin IV in central nervous system development	\$100,466	Q2.Other	University of California, Los Angeles
Functional analysis of neurexin IV in Drosophila	\$0	Q2.Other	University of California, Los Angeles
The role of Fox-1 in neurodevelopment and autistic spectrum disorder	\$145,757	Q2.Other	University of California, Los Angeles
A functional genomic analysis of the cerebral cortex	\$256,413	Q2.Other	University of California, Los Angeles
Transcriptional regulators in normal human brain development and autism	\$30,002	Q2.Other	University of California, Los Angeles
Abnormal connectivity in autism	\$30,000	Q2.Other	University of California, Los Angeles
Neural mechanisms of imitative behavior: Implications for mental health	\$33,128	Q2.Other	University of California, Los Angeles
Relating copy number variants to head and brain size in neuropsychiatric disorders	\$322,286	Q2.S.G	University of California, San Diego
Atypical architecture of prefrontal cortex in young children with autism	\$335,103	Q2.Other	University of California, San Diego
Neural basis of cross-modal influences on perception	\$158,282	Q2.Other	University of California, San Diego
Collaborative research: Modeling perception and memory: Studies in priming	\$0	Q2.Other	University of California, San Diego
Kinetics of drug macromolecule complex formation	\$712,921	Q2.Other	University of California, San Diego
Influence of attention and arousal on sensory abnormalities in ASD	\$232,500	Q2.Other	University of California, San Diego
Identification of genetic pathways that regulate neuronal circuits in C. elegans	\$47,114	Q2.Other	University of California, San Diego

Project Title	Funding	Strategic Plan Objective	Institution
Development of the functional neural systems for face expertise	\$507,685	Q2.Other	University of California, San Diego
Stimulus preceding negativity and social stimuli in autism spectrum disorder	\$28,600	Q2.Other	University of California, San Diego
Using fruit flies to map the network of autism-associated genes	\$156,245	Q2.Other	University of California, San Diego
A sex-specific dissection of autism genetics	\$0	Q2.S.B	University of California, San Francisco
Simons Variation in Individuals Project (Simons VIP) Core Leader Gift	\$0	Q2.S.G	University of California, San Francisco
Simons Variation in Individuals Project (VIP) Functional Imaging Site	\$1,299,083	Q2.S.G	University of California, San Francisco
Simons Variation in Individuals Project (VIP) Core Neuroimaging Support Site	\$513,646	Q2.S.G	University of California, San Francisco
Neocortical mechanisms of categorical speech perception	\$239,255	Q2.Other	University of California, San Francisco
Characterizing the regulatory pathways and regulation of AUTS2	\$57,964	Q2.Other	University of California, San Francisco
Pathologic and genetic characterization of novel brain cortical patches in young autistic brains	\$50,000	Q2.Other	University of California, San Francisco
A novel transplantation assay to study human PTEN ASD alleles in GABAergic interneurons	\$60,000	Q2.Other	University of California, San Francisco
Role of negative regulators of FGF signaling in frontal cortex development and autism	\$45,000	Q2.Other	University of California, San Francisco
Deciphering the function and regulation of AUTS2	\$0	Q2.Other	University of California, San Francisco
Extended tracking of single synaptic proteins with upconverting nanoparticles	\$10,819	Q2.Other	University of California; Lawrence Berkeley National Laboratory
Development of a connectomic functional brain imaging endophenotype of autism	\$0	Q2.Other	University of Cambridge
Action anticipation in infants	\$102,258	Q2.Other	University of Chicago
Cerebellar plasticity and learning in a mouse model of autism	\$156,250	Q2.Other	University of Chicago
Evaluating the time-dependent unfolding of social interactions in autism	\$252,622	Q2.Other	University of Cincinnati
Molecular mechanisms linking early life seizures, autism and intellectual disability	\$333,473	Q2.S.E	University of Colorado Denver
Salivary melatonin as a biomarker for response to sleep interventions in children with autism	\$0	Q2.S.E	University of Colorado Denver
Neural synchronydysfunction of gamma oscillations in autism (supplement)	\$100,386	Q2.Other	University of Colorado Denver
Neural synchronydysfunction of gamma oscillations in autism	\$265,073	Q2.Other	University of Colorado Denver

Project Title	Funding	Strategic Plan Objective	Institution
Multimodal neuroimaging of motor dysfunction in autism spectrum disorders	\$56,000	Q2.Other	University of Colorado Denver
Physiological studies in a human stem cell model of 15q duplication syndrome	\$60,000	Q2.S.D	University of Connecticut
Self-injurious behavior: An animal model of an autism endophenotype	\$0	Q2.Other	University of Florida
Social interaction and reward in autism: Possible role for ventral tegmental area	\$62,496	Q2.Other	University of Geneva
The genetic control of social behavior in the mouse (supplement)	\$201,966	Q2.Other	University of Hawai'i at Manoa
Serotonin signal transduction in two groups of autistic patients	\$0	Q2.Other	University of Illinois at Chicago
Synaptic phenotype, development, and plasticity in the fragile X mouse	\$395,134	Q2.S.D	University of Illinois at Urbana Champaign
Autism: Neuropeptide hormones and potential pathway genes	\$185,338	Q2.S.G	University of Illinois at Urbana Champaign
The neural substrates of social interactions	\$15,865	Q2.Other	University of Iowa
Molecular dissection of calmodulin domain functions	\$321,473	Q2.Other	University of Iowa
SHB: Type II (INT): Synthesizing self-model and mirror feedback imageries with applications to behavior modeling for children with autism	\$798,912	Q2.Other	University of Kentucky Research Foundation
Children with 7q11.23 duplication syndrome: shared characteristics with autism	\$125,000	Q2.S.G	University of Louisville
BRIGE: Emotion mapping of children through human-robot interaction and affective computing	\$174,583	Q2.Other	University of Louisville Research Foundation Inc
Prostaglandins and cerebellum development	\$371,250	Q2.S.A	University of Maryland, Baltimore
Sensitive periods in cerebellar development	\$32,941	Q2.S.A	University of Maryland, Baltimore
A neural model of fronto-parietal mirror neuron system dynamics	\$183,960	Q2.Other	University of Maryland, College Park
How autism affects speech understanding in multitalker environments	\$0	Q2.Other	University of Maryland, College Park
The microRNA pathway in translational regulation of neuronal development	\$352,647	Q2.S.D	University of Massachusetts Medical School
Autism spectrum disorders –inflammatory subtype: Molecular characterization	\$30,000	Q2.S.A	University of Medicine & Dentistry of New Jersey
Influence of maternal cytokines during pregnancy on effector and regulatory T helper cells as etiological factors in autism	\$0	Q2.S.A	University of Medicine & Dentistry of New Jersey
Caspr2 as an autism candidate gene: A proteomic approach to function & structure	\$312,000	Q2.Other	University of Medicine & Dentistry of New Jersey - Robert Wood Johnson Medical School
Altered gastrointestinal function in the neuroligin-3 mouse model of autism	\$0	Q2.S.E	University of Melbourne

Project Title	Funding	Strategic Plan Objective	Institution
Altered gastrointestinal function in the neuroligin-3 mouse model of autism	\$0	Q2.S.E	University of Melbourne
Altered gastrointestinal function in the neuroligin-3 mouse model of autism	\$0	Q2.S.E	University of Melbourne
Cerebellar modulation of frontal cortical function	\$302,306	Q2.Other	University of Memphis
Homeostatic regulation of presynaptic function by dendritic mTORC1	\$32,747	Q2.Other	University of Michigan
Molecular mechanisms of the synaptic organizer alpha-neurexin	\$383,267	Q2.Other	University of Michigan
Sensory mechanisms and self-injury	\$447,738	Q2.S.E	University of Minnesota
Stimulus-driven attention deficits in autism	\$0	Q2.Other	University of Minnesota
Mechanisms of synaptic alterations in a neuroinflammation model of autism	\$579,882	Q2.S.A	University of Nebraska Medical Center
Mechanisms of motor skill learning in the fragile X mouse model	\$308,138	Q2.S.D	University of Nebraska Medical Center
Diffusion tensor MR spectroscopic imaging in human brain	\$203,715	Q2.Other	University of New Mexico Health Sciences Center
Using near-infrared spectroscopy to measure the neural correlates of social and emotional development in infants at risk for autism spectrum disorder	\$0	Q2.Other	University of New South Wales
A longitudinal MRI study of brain development in fragile X syndrome	\$610,416	Q2.S.D	University of North Carolina at Chapel Hill
Functional and anatomical recovery of synaptic deficits in a mouse model of Angelman Syndrome	\$56,000	Q2.S.D	University of North Carolina at Chapel Hill
Sex differences in early brain development; Brain development in Turner syndrome	\$155,873	Q2.S.D	University of North Carolina at Chapel Hill
Bi-directional regulation of Ube3a stability by cyclic AMP-dependent kinase	\$60,000	Q2.S.D	University of North Carolina at Chapel Hill
Genome-wide identification of variants affecting early human brain development	\$611,005	Q2.S.G	University of North Carolina at Chapel Hill
MRI study of brain development in school age children with autism	\$127,479	Q2.L.A	University of North Carolina at Chapel Hill
ACE Network: A longitudinal MRI study of infants at risk for autism	\$2,619,590	Q2.L.A	University of North Carolina at Chapel Hill
ACE Network: A longitudinal MRI study of infants at risk for autism (supplement)	\$565,115	Q2.L.A	University of North Carolina at Chapel Hill
Functional neuroimaging of psychopharmacologic intervention for autism	\$162,369	Q2.L.B	University of North Carolina at Chapel Hill
Statistical analysis of biomedical imaging data in curved space	\$326,528	Q2.Other	University of North Carolina at Chapel Hill
Genetic studies of autism-related Drosophila neurexin and neuroligin	\$489,104	Q2.Other	University of North Carolina at Chapel Hill

Project Title	Funding	Strategic Plan Objective	Institution
Regulation of spine morphogenesis by NrCAM	\$185,000	Q2.Other	University of North Carolina at Chapel Hill
Effect of paternal age on mutational burden and behavior in mice	\$222,000	Q2.Other	University of North Carolina at Chapel Hill
Behavioral and neural correlates of reward motivation in children with autism spectrum disorders	\$0	Q2.Other	University of North Carolina at Chapel Hill
Neuropathology of the social-cognitive network in Autism: a comparison with other structural theories	\$140,718	Q2.Other	University of Oxford
Subependymal zone function in autism spectrum disorders	\$59,560	Q2.Other	University of Oxford
Autoimmunity against novel antigens in neuropsychiatric dysfunction	\$320,000	Q2.S.A	University of Pennsylvania
The role of genetics in communication deficits in autism spectrum disorders	\$60,000	Q2.S.D	University of Pennsylvania
Functional circuit disorders of sensory cortex in ASD and RTT	\$254,976	Q2.S.D	University of Pennsylvania
Assessing sleep regulation, sleep-dependent memory consolidation, and sleep-dependent synaptic plasticity in mouse genetic models of schizophrenia and autism spectrum disorders	\$45,000	Q2.S.E	University of Pennsylvania
A study of autism	\$162,232	Q2.L.B	University of Pennsylvania
Novel computational methods for higher order diffusion MRI in autism	\$725,545	Q2.Other	University of Pennsylvania
Magnetoencephalographic studies of lexical processing and abstraction in autism	\$321,156	Q2.Other	University of Pennsylvania
Transcriptional responsiveness in lymphoblastoid cell lines	\$0	Q2.Other	University of Pennsylvania
Cognitive control of emotion in autism	\$102,638	Q2.Other	University of Pittsburgh
Probing the temporal dynamics of aberrant neural communication and its relation to social processing deficits in autism spectrum disorders	\$0	Q2.Other	University of Pittsburgh
Development of ventral stream organization	\$137,338	Q2.Other	University of Pittsburgh
Engrailed targets and the control of synaptic circuits in Drosophila	\$352,100	Q2.Other	University of Puerto Rico Medical Sciences Campus
Redox abnormalities as a vulnerability phenotype for autism and related alterations in CNS development	\$0	Q2.S.A	University of Rochester
Taste, smell, and feeding behavior in autism: A quantitative traits study	\$570,508	Q2.Other	University of Rochester
Auditory and integrative functions of the prefrontal cortex	\$387,285	Q2.Other	University of Rochester
Emergence and stability of autism in fragile X syndrome (supplement)	\$87,314	Q2.S.D	University of South Carolina
Emergence and stability of autism in fragile X syndrome	\$358,000	Q2.S.D	University of South Carolina

Project Title	Funding	Strategic Plan Objective	Institution
Altered placental tryptophan metabolism: A crucial molecular pathway for the fetal programming of neurodevelopmental disorders	\$535,699	Q2.S.A	University of Southern California
Factors influencing early associative learning as a precursor to social behavior heterogeneity	\$53,000	Q2.S.G	University of Southern California
HCC:Small:Computational studies of social nonverbal communication	\$0	Q2.Other	University of Southern California
Function and structure adaptations in forebrain development	\$541,770	Q2.Other	University of Southern California
Investigation of protocadherin-10 in MEF2- and FMRP-mediated synapse elimination	\$53,942	Q2.S.D	University of Texas Southwestern Medical Center
Cortical circuit changes and mechanisms in a mouse model of fragile X syndrome	\$278,656	Q2.S.D	University of Texas Southwestern Medical Center
Coordinated control of synapse development by autism-linked genes	\$0	Q2.S.D	University of Texas Southwestern Medical Center
Study of fragile X mental retardation protein in synaptic function and plasticity	\$317,077	Q2.S.D	University of Texas Southwestern Medical Center
Mechanisms of mGluR5 function and dysfunction in mouse autism models	\$406,760	Q2.S.D	University of Texas Southwestern Medical Center
Mechanisms of synapse elimination by autism-linked genes	\$434,883	Q2.S.D	University of Texas Southwestern Medical Center
Mouse models of human autism spectrum disorders: Gene targeting in specific brain regions	\$400,000	Q2.S.D	University of Texas Southwestern Medical Center
Motor control and cerebellar maturation in autism	\$157,148	Q2.Other	University of Texas Southwestern Medical Center
Development of face processing expertise	\$351,984	Q2.Other	University of Toronto
20-year outcome of autism	\$149,964	Q2.L.A	University of Utah
Longitudinal characterization of functional connectivity in autism	\$182,352	Q2.L.A	University of Utah
The microstructural basis of abnormal connectivity in autism	\$332,991	Q2.Other	University of Utah
CAREER: Statistical models and classification of time-varying shape	\$8,000	Q2.Other	University of Utah
Nav1.1 channels, neural circuits, and autism	\$10,213	Q2.S.D	University of Washington
Neural mechanisms underlying autism behaviors in SCN1A mutant mice	\$94,903	Q2.S.D	University of Washington
Simons Variation in Individuals Project (VIP) Site	\$436,833	Q2.S.G	University of Washington
Social processing, language, and executive functioning in twin pairs: Electrophysiological and behavioral endophenotypes	\$150,000	Q2.S.G	University of Washington
Investigation of the link between early brain enlargement and abnormal functional connectivity in autism spectrum disorders	\$0	Q2.L.A	University of Washington

Project Title	Funding	Strategic Plan Objective	Institution
Defining the electrophysiological dynamics of the default mode network	\$146,025	Q2.Other	University of Washington
Electrophysiological response to executive control training in autism	\$89,670	Q2.Other	University of Washington
Multimodal brain imaging in autism spectrum disorders	\$167,832	Q2.Other	University of Washington
Networked cortical responses to movement associated with ASD	\$449,700	Q2.Other	University of Washington
Synaptic processing in the basal ganglia	\$377,815	Q2.Other	University of Washington
Translational regulation of adult neural stem cells	\$396,944	Q2.S.D	University of Wisconsin - Madison
Grammatical development in boys with fragile X syndrome and autism	\$148,500	Q2.S.D	University of Wisconsin - Madison
Executive function in children with typical and atypical language abilities	\$564,177	Q2.Other	University of Wisconsin - Madison
Statistical word learning and non-social visual attention in children with autism	\$33,148	Q2.Other	University of Wisconsin - Madison
Macrocephalic autism: Exploring and exploiting the role of PTEN	\$0	Q2.Other	University of Wisconsin - Madison
Epileptiform discharges and its relation to cognition and behavior in children with autism spectrum disorders	\$0	Q2.S.E	Vanderbilt University
Characterization of the sleep phenotype in adolescents and adults with autism spectrum disorder	\$150,000	Q2.S.E	Vanderbilt University
Neural mechanisms underlying an extended multisensory temporal binding window in ASD	\$0	Q2.Other	Vanderbilt University
Genetic and developmental analyses of fragile X mental retardation protein	\$438,391	Q2.S.D	Vanderbilt University Medical Center
Predicting phenotypic trajectories in Prader-Willi syndrome	\$310,752	Q2.S.D	Vanderbilt University Medical Center
Psychobiological investigation of the socioemotional functioning in autism	\$347,490	Q2.Other	Vanderbilt University Medical Center
Neurobehavioral investigation of tactile features in autism spectrum disorders	\$162,666	Q2.Other	Vanderbilt University Medical Center
Role of intracellular mGluR5 in fragile X syndrome and autism	\$75,000	Q2.S.D	Washington University in St. Louis
The role of intracellular metabotropic glutamate receptor 5 at the synapse	\$13,400	Q2.S.D	Washington University in St. Louis
Autistic traits: Life course & genetic structure	\$531,127	Q2.S.G	Washington University in St. Louis
Mapping functional connectivity networks in autism spectrum disorder with diffuse optical tomography	\$55,170	Q2.Other	Washington University in St. Louis
Systematic characterization of the immune response to gluten and casein in autism spectrum disorders	\$0	Q2.S.A	Weill Cornell Medical College

Project Title	Funding	Strategic Plan Objective	Institution
Role of neuronal migration genes in synaptogenesis and plasticity	\$52,190	Q2.Other	Weill Cornell Medical College
High metabolic demand of fast-spiking cortical interneurons underlying the etiology of autism	\$54,500	Q2.Other	Weill Cornell Medical College
Comprehensive phenotypic characterization of the 17q12 deletion syndrome	\$62,500	Q2.S.G	Weis Center for Research - Geisinger Clinc
Simons Variation in Individuals Project (VIP) Recruitment Coordination Site	\$98,087	Q2.S.G	Weis Center for Research - Geisinger Clinc
Developing novel automated apparatus for studying battery of social behaviors in mutant mouse models for autism	\$0	Q2.Other	Weizmann Institute of Science
Genetic model to study the ASD-associated gene A2BP1 and its target PAC1	\$62,500	Q2.Other	Weizmann Institute of Science
Local connectivity in altered excitation/inhibition balance states	\$62,500	Q2.Other	Weizmann Institute of Science
Genetically defined stem cell models of Rett and fragile X syndrome	\$350,000	Q2.S.D	Whitehead Institute for Biomedical Research
Studying Rett and Fragile X syndrome in human ES cells using TALEN technology	\$0	Q2.S.D	Whitehead Institute for Biomedical Research
Allelic choice in Rett syndrome	\$390,481	Q2.S.D	Winifred Masterson Burke Medical Research Institute
Attention & word learning in children with ASD- Translating experimental findings into intervention	\$50,600	Q2.Other	Women & Infants Hospital
ACE Network: Multimodal developmental neurogenetics of females with ASD	\$3,118,985	Q2.S.B	Yale University
Pleiotropic roles of dyslexia genes in neurodevelopmental language impairments	\$42,232	Q2.S.D	Yale University
Novel candidate mechanisms of fragile X syndrome	\$92,448	Q2.S.D	Yale University
Investigating the etiology of childhood disintegrative disorder	\$149,953	Q2.S.F	Yale University
Genetic investigations of motor stereotypies	\$62,136	Q2.S.G	Yale University
Developmental neurogenetics in adolescents with autism	\$124,769	Q2.S.G	Yale University
Near-infrared spectroscopy studies of early neural signatures of autism	\$149,917	Q2.L.B	Yale University
Role of GluK6 in cerebella circuitry development	\$58,442	Q2.Other	Yale University
ACE Center: Neuroimaging studies of connectivity in ASD	\$315,268	Q2.Other	Yale University
Morphogenesis and function of the cerebral cortex	\$409,613	Q2.Other	Yale University
Functional analysis of patient mutations in EPHB2, an ASD candidate gene- Project 1	\$177,512	Q2.Other	Yale University
Identification of candidate genes at the synapse in autism spectrum disorders	\$168,839	Q2.Other	Yale University

Project Title	Funding	Strategic Plan Objective	Institution
Role of major vault protein in autism	\$59,972	Q2.Other	Yale University
Brain electrophysiology of interactive social stimuli	\$52,984	Q2.Other	Yale University
Functional analysis of EFR3A mutations associated with autism	\$156,250	Q2.Other	Yale University
Functional properties and directed connectivity in the face-processing network	\$55,670	Q2.Other	Yale University
The neural basis of weak central coherence in autism spectrum disorders	\$13,040	Q2.Other	Yale University
Social brain networks for the detection of agents and intentions	\$414,688	Q2.Other	Yale University

